

Thermal Energy & States of Matter Review

Name: _____ Date: _____

Group: _____ Section: _____



1) Name three states of matter. How are they different from each other? How are they similar to each other?

2) What causes a change in state?

3) What causes a solid to melt? What causes a liquid to freeze?

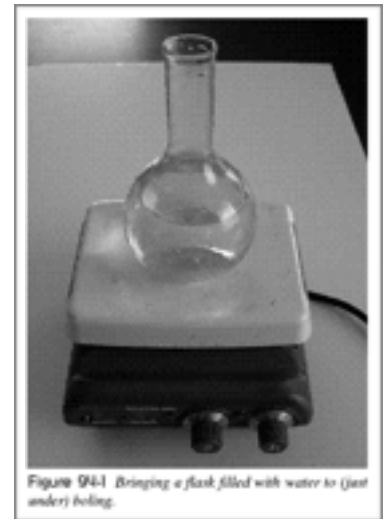
4) How can a liquid expand without changing state?

5) How does a thermostat make use of thermal expansion?

Performance Task:

On the Lab Demonstration Desk is a Florence flask boiling water. Look carefully at the white vapor coming out of the spout.

In what state of matter is the white vapor that you see?



What is present, but not visible, in the small space between the white vapor and the spout?

Based on this demonstration, what is the role of this white vapor in cloud formation?